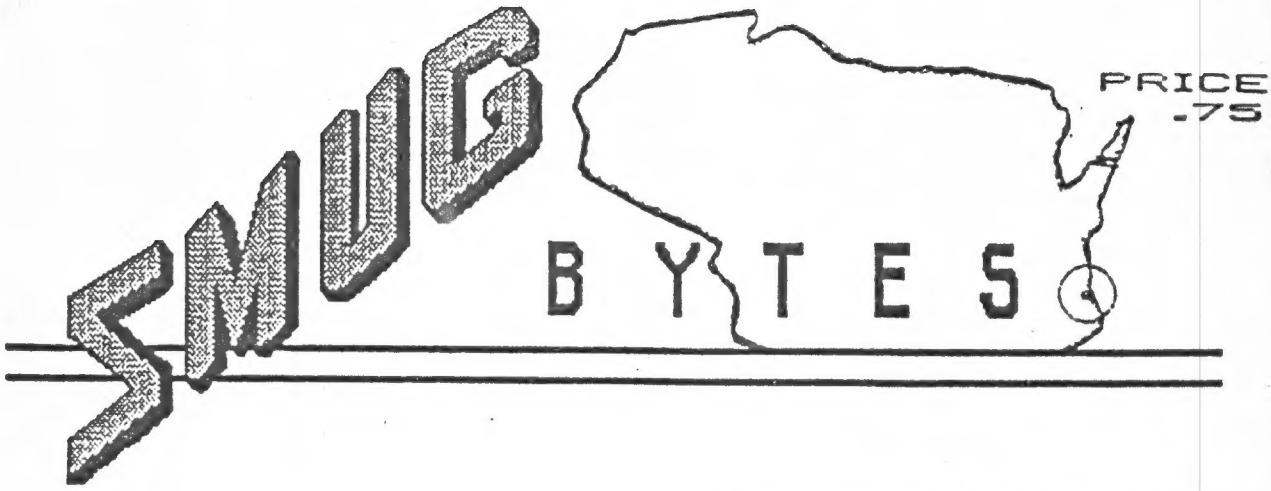

SMUG BYTES
Volume 6, Number 9
September 1989

Subscriptions = $10.00 per year or free with swap. Send to:

SINCLAIR MILWAUKEE USERS GROUP
P.O. Box 101, Butler WI 53007

THIS MONTH:

- TS Vendor List
- Rudy's SQ Notes.
- The 1990 Sinclair Fest
- Presidents Message
- And Other Great Things

If any articles are copied please credit SMUG BYTES

NEXT MEETING DATE: 10/04/89

Send all contributions by the 3rd Wednesday of the month to:

Bill Heberlein
Editor
SMUG BYTES
5052 N. 91st Street
Milwaukee WI 53225

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All Area Codes Are 414

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Meet-no set date. Call for info.
- 421 0179
*Q1 - R. Hilsmann
*Meeting 3rd Wednesday of month
- 251 5291
*Spectrum - R.Hilsmann
*Meeting 3rd Wednesday of month
- 251 5291

(NOTE NEITHER ANY AUTHOR OR SMUG BYTES TAKES ANY RESPONSIBILITY FOR ANY HARDWARE MODIFICATIONS TO YOUR EQUIPMENT.)

THE 1990 SINCLAIR FEST

am including a flyer(s) with this issue for the Midwest Sinclair Expo. The flyer will contain information for reserving tickets, tables and banquet seats. Please feel free to copy it and pass it out to your members, if you are in a user group, or anyone else you feel might like to come to our Expo. We are trying to hold down costs so you can buy more programs or what everelse you would like. As the flyer says there will be a banquet Friday night and it will be delicious. The reservations must be in a week before the dinner so please send your reservation request in before that date. We know sometimes it is difficult to know in advance but it's something we have know control over. Remember the dinner will be a buffet with three types of food. Come and bring your appetite. One other thing is we can use speakers. So if you would like to show <u>YOUR</u> expertise and pass it on to others please drop me a note that you or your group will speak and the topic. Also the time or times you would prefer. We will try to oblige. Please poll your members. I will publish directions in the next issue and also send the info to TS2068 Updates and Time Designs magazines. If you have any questions the flyer has my name and address or Neals phone number. He has an answering machine if he isn't able to respond right away. "See you in Milwaukee" June 1, 2, 3, 1990.

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"SQ" NOTES

BY R.A.HILSMANN

After I delivered last month pages to Bill Heberlein, and looked at the program again the next day, I noticed that I had copied an unfinished version of the LOTTO program for SMUG-BYTES. All I can say is oops! Sorry about that. The program will work, but has a few bugs in it.

For those of you who have entered the program, make the following changes to the lines:

All statements, variables etc. preceeded by an inversed marker need your attention. Compare the lines listed below with the lines you have entered previously, and correct any difference.

```
  1 REM !INT +a(),b(),c(),d(),e
(),g(),fl1,ps,l,n,f,fl,j,o,▒p,s,
t,w,x,y,z,bet,count,four,five,nu
mber,six,three
 100 PRINT AT 19,0;"press 1) for
 more"'"       2) to copy"'"
 3) for menu": PAUSE 0: IF INKEY
$="1" THEN CLS :▒GO SUB 1540: GO
 TO 20
 120 IF INKEY$="3" THEN GO TO 43
0:▒REM delete let statement
 180 FOR x=1 TO count: PRINT a(l
,x);" ";: IF fl=0▒THEN IF p=10 T
HEN IF k<11 THEN LET d(((k-1)*6)
+l,x)=a(l,x):▒IF k<10 THEN LET d
(((k-1)*6)+l+1,x)=0
 210 IF o>=p THEN LET a$="": FOR
 x=1 TO count: LET a$=a$+STR$ a(
l,x)+" ": NEXT x: LPRINT k*6;" *
";a$;" =>(";o;")":▒IF fl1=3 THEN
 RETURN
 280▒LET w=2: LET o=0: RESTORE 4
00: PRINT AT 2,0,,: FOR x=1 TO c
ount: READ a$: PRINT AT 21,0;"en
ter ";a$;" number (1 TO ";number
;") ": INPUT b(x): IF fl=2 THEN
IF b(x)=0 THEN GO TO 280
 300 PRINT AT ▒w,o;b(x):▒LET o=o
+3: IF x=6 THEN LET w=w+1: LET o
=0
 310▒REM this was part of line 3
00, add this line!: IF fl=2 AND
fl1=2 THEN LET d(l,x)=b(x)
 315▒REM this used to be line 31
0, make this change: NEXT x: PRI
NT AT 21,0,,: IF fl=2 OR fl1=4 T
HEN RETURN
 350 PRINT AT 5,0: FOR x=▒x TO c
ount
 550▒CLS : FOR f=1 TO ▒number: P
RINT f,c(f): NEXT f: PRINT '''k;
" sheets"'k*6;" bets"''"four = "
;four'"five = ";five'"six = ";si
x: GO SUB 4130: GO TO 400
1000 CLS : LET fl=0: GO SUB ▒150
0: GO SUB ▒1600:▒REM delete CLS:
 GO TO 20
1500▒GO SUB 590: GO SUB 1505: PR
INT AT 15,0,,: RETURN
1505▒GO SUB 1560: FOR x=1 TO num
ber
1510▒LET y=INT (RND*number)+1
1515▒IF g(y)=0 THEN LET g(y)=x:
GO TO 1525
1520▒GO TO 1510
1525▒NEXT x: LET s=1: RETURN
1540 LET y=g(▒number): FOR x=▒nu
mber TO 2 STEP -1: LET g(x)=g(x▒
-1): NEXT x: LET g(▒1)=y: LET s=
s+1: IF s=8 THEN GO SUB 1500
1560▒FOR x=1 TO number: LET g(x)
=0: NEXT x: RETURN
1600▒CLS : PRINT AT 10,0;"would
you like to enter the     number
s generated to the"'","Pick List
? (y/n)": PAUSE 0: IF INKEY$="y"
 OR INKEY$="Y" THEN LET p=10
1610▒LET s=9: CLS : RETURN
1700▒IF l+1<61 THEN LET d(l+1,1)
=0
1710▒RETURN
1800▒PRINT AT 2,0;"list filled,
sorry": GO SUB 4130: GO TO 6000
2040 CLS : GO SUB 590: GO SUB 15
00:▒REM delete CLS:▒GO SUB 1600:
 LET fl1=1: GO TO 20
3000 LET count=12: LET fl1=4: CL
S : PRINT AT 10,0;"Enter 12 syst
em numbers"'"Enter zero (0) for
random pick": GO SUB 280: LET co
unt=6: LET number=12:▒GO SUB 160
0:▒REM delete CLS: GO TO 20
4060 CLS : LET fl=2: PRINT AT 10
,0;"Enter the winning numbers on
e at▒a time."'"Enter zero (0) t
o start over if you have made a
mistake": GO SUB 280: GO SUB 414
0:▒REM delete space between "at
& a"
4100 NEXT x: NEXT n: NEXT l: PRI
NT ▒':▒LET o=0: LET f=0: FOR x=1
 TO ▒number: FOR n=1 TO number-1
: IF c(n)>f THEN LET f=c(n): LET
 z=n
4110 NEXT n:▒IF f=0 THEN GO SUB
4130: GO TO 4000: REM change lin
e to this
4115▒REM add this line: PRINT TA
B o;z;"=";f;"x";: LET c(z)=0: LE
T f=0: LET o=o+6: IF o>25 THEN L
ET o=0: PRINT '
4116▒REM end this line: NEXT x:
GO SUB 4130: GO TO 4000
4130 PRINT #0;AT 1,0;"press key
to continue": PAUSE 0:▒REM delet
e this=>: PRINT #0;AT 1,0,,: RET
URN
5010 CLS : PRINT AT 10,0;"If you
 wish to have a printout  of cor
rectly matched numbers,  turn o
n your printer now."'"Would you
 also like to have all three cor
rectly matched numbers printed o
ut (y/n)?": PAUSE 0: IF INKEY$="
y" OR INKEY$="Y" THEN LET ▒p=3:
GO TO 5030
```

```
5020 LET p=4
6000 CLS : PRINT AT 10,0;"1) to
ENTER PICKS"''"2) to ADD PICKS"
''"3) to VIEW PICKS"''"4) to E
RASE PICKS"''"5) return to MAIN
 MENU": PAUSE 0: IF INKEY$="1" T
HEN LET l=0: GO TO 6040
6010 IF INKEY$="2" THEN GO TO 6
100
6020 IF INKEY$="3" THEN GO TO 6
070
6022 IF INKEY$="4" THEN GO TO 61
30
6025 IF INKEY$="5" THEN GO TO 43
0
6040 CLS : LET fl=2: LET fl1=2:
REM delete rest of line
6050 PRINT AT 10,0;"Enter your n
umbers one at a time": LET l=l+1
: REM make changes to line=>: IF
 l=61 THEN GO TO 1800
6055 REM add this line: GO SUB 2
80: GO SUB 1700: PRINT AT 21,0;"
more (y/n)?": PAUSE 0: IF INKEY$
="Y" OR INKEY$="y" THEN GO TO 60
50
6070 CLS : PRINT AT 2,0: FOR x=1
 TO 60: FOR n=1 TO count: PRINT
d(x,n);" ";: NEXT n: IF x<60 THE
N IF d(x+1,1)=0 THEN GO TO 6090
6090 REM change this line: GO SU
B 4130: GO TO 6000
6100 REM add lines 6100 to 6210:
 FOR X=1 TO 60: IF d(x,1)=0 THEN
 LET l=x-1: GO TO 6120
6110 NEXT x: GO TO 1800
6120 GO TO 6040
6130 CLS : LET o=0: FOR l=1 TO 6
0: PRINT #0;AT 1,0;"erase (y/n)
or (x) to exit": PRINT AT o,0;
6140 FOR x=1 TO count
6150 IF d(l,x)=0 THEN GO TO 6000
6160 PRINT d(l,x);" ";
6170 NEXT x: PAUSE 0: IF INKEY$=
"y" OR INKEY$="Y" THEN GO SUB 62
10: GO TO 6140
6180 IF INKEY$="x" OR INKEY$="X"
 THEN GO TO 6000
6190 LET o=o+1: IF o=21 THEN CLS
 : LET o=0
6200 NEXT l: GO SUB 4130: GO TO
6000
6210 FOR y=l TO 59: FOR f=1 TO c
ount: LET d(y,f)=d(y+1,f): NEXT
f: NEXT y: FOR y=1 TO count: LET
 d(60,y)=0: NEXT y: PRINT AT o,0
;">>> erased <<<",,: PAUSE 200:
PRINT AT o,0;: RETURN
7010 LET a(l,n)=d(l+f,n): NEXT n
: GO SUB 140: NEXT l: POKE 23692
,255: GO SUB 4130: PRINT '': NEX
T f
8000 LET fl=0: LET fl1=0: LET th
ree=0: LET four=0: LET five=0: L
ET six=0: LET PS=100: LET s=0: L
ET w=0: LET p=0: LET o=0: LET k=
1: LET z=1: LET bet=6: LET count
=6: LET number=54: DIM a(6,6): D
IM b(12): DIM c(54): DIM e(6): D
IM g(54): RETURN
```

Wow! I didn't think I had made that many changes, almost could have reprinted the whole program. well. let me add the basic portion yet. and that should do it.

```
  5 REM R.A.HILSMANN 1985-89
 10 CLEAR 39951: CLS : LOAD /"B
UCKS"CODE 39952
 20 RANDOMIZE USR 39952
9000 CLS : INPUT "ENTER FILENAME
, CAT FOR Catalog"''a$: IF a$="
CAT " THEN CAT : GO TO 9000
9010 CLS : PRINT AT 10,0;"(S)avi
ng OR (L)oading DATA ?": PAUSE 0
: IF INKEY$="s" OR INKEY$="S" TH
EN SAVE //"winning##"CODE 50390,
14981: SAVE //a$CODE 49518,720:
GO TO 9030
9020 IF INKEY$="L" OR INKEY$="l"
 THEN LOAD /"winning##"CODE : LO
AD /a$CODE
9030 RANDOMIZE USR 43615
9040 GO TO 9000: REM ↑ numbers
above may change !!
```

Of course you can save yourself all the trouble of typing the program into the computer if you get down to the meeting! I will have a few tapes along with the program on it, or a few disks, but you would have to be an OLIGER fan, because I'm using a OLIGER disk interface.

For all of you who can not make it to the meeting, or if you are living outside of the south east Wisconsin Area, send me $5 and I will send you a copy. Make sure you are sending along the data for the type of LOTTO in your area (how many bets out of how many numbers etc.), this will let me set the program up for you. Also, since this program is public domain, as all the programs I have published here, feel free to copy it any old way, use it as fill in for your NEWS-LETTER, or whatever, I would appreciate it though if you give credit to the source.

Can you change this program yourself for the type of LOTTO used in your area? Yes you can, change variable "bets" to the number of bets that are on one sheet, change variable "number" to the numbers to pick from (54, 49 etc.). Variable "count" is the number of picks allowed from the numbers (6, 7 etc.). Most can be found on line 8000 or on line 410, there are also a bunch of Dim statements which would have to be changed. Looking at it. I have the feeling this program was written by a flaky programer, have fun anyways.

##

HERE IT IS!

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Sinclair Vendors

Here is my list of active Sinclair vendors. I am sorry to say some havn't responded and others have dropped the Sinclair line of computer products.

HARDWARE

Budget Robotics & Computing, Inc./
Computer boards for Robots & Robotics.
Box 18616 Tucson, AZ 85731

Compware/QL computer/0270-582301/
57 Repton Dr. Haslington, Crewe,
England CW1 1SA

Curry Computer/Software for TS1000,
TS2068 & QL computers. 813-978-2902.
P.O. Box 5607, Glendale, AZ 85731

Hammer, John/Computer repair for
TS1000, TS1500 & TS2068.
HCR1, Box 50A, Mellette, SD 57461.

Johnson, Eric/Computer repair for
TS1000, TS1500 & TS2068.
249 N Harden Ave,Orange City, FL 32763

Oliger Co., The John/Electronic Boards
for TS1000-TS2068 computers.
11601 Whidbey Dr. Cumberland, IN 46229

Promise Land Electronics/Repairs for
TS1000, TS2068 & QL/314-739-1712.
Rt 1, Box 117, Cabool, MO 65689

Pyramid Electronics/for TS1000&TS2068
computers./D.L.Dean/813-922-9574.
2174 Gulf Gate Dr. Sarasota, FL 34231

RMG Enterprises/for TS1000, TS2068 &
QL computers/Rod Gowen/503-655-7484
1419 1/2 7th St, Oregon City, OR 97045

Russell Electronics/for TS1000, TS2068
& QL/814-364-1325
RD #1, Box 539, Centre Hall, PA 16828,

Sharp's/for TS2068 & QL computers/
804-730-9697/
Box 326, Mechanicsville, VA 23111

TK Computerware/for QL computer/
Stone Street, North Stanord, Ashford
Kent, England CT25 6DF

INFORMATION

Budget Robotics & Computing, Inc./
Books on Robots & Robotics.
Box 18616 Tucson, AZ 85731

Dreger, Lloyd/3 books TS2068 machine
code/C/o SMUG
P.O. Box 101 Butler WI 53007

Time Designs mag., Tim Woods/ Bi-month
mag for Sinclair comp./503-824-2658.
29722 Hult Rd. Colton, OR 97017

TS-2068 UP-DATE magazine, Bill Jones
Quarterly mag. for Sinclair Computers.
1317 Stratford, Panama City FL 32404

SOFTWARE

Compware/QL computer/0270-582301/
57 Repton Dr. Haslington, Crewe,
England CW1 1SA

Curry Computer/for TS1000,TS2068 & QL
computers. 813-978-2902.
P.O. Box 5607, Glendale, AZ 85731

EMSOFT/QL computers/
617-889-0830/
P.O.Box 8763, Boston, MA 02114-8763

Mechcnical Design Analysis Consultants
for QL Engineering/319-556-2133/
1235 Madera St. Dubuque, IA 52001

Pyramid Electronics/TS1000 & TS2068
computers./D.L.Dean/813-922-9574.
2174 Gulf Gate Dr. Sarasota, FL 34231

RMG Enterprises/TS1000, TS2068 & QL/
computers/Rod Gowen/503-655-7484
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Leyland, Lancashire, England PR5 3NH

Sharp's/for TS2068 & QL computers/
804-730-9697/
Box 326, Mechanicsville, VA 23111

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Stone Street, North Stanord, Ashford
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TS2068 TIPS

Please note these tips were compiled by Bill Johnson and printed in Quarters.

If you have a program in which does a lot of printing to the screen but at certain times you would like it to print to a printer you can do this.

```
OPEN #2, "P"
```

To turn it off again do this.

```
CLOSE #2
```

If you want to delete a length of code and it seems to take forever try this: Put quotes (") on both sides of the code you wish to delete. Now delete everything within the quotes and then delete the quotes. This also applies to the line numbers. This should speed your deletion on the TS2068.

Want to have code flash within your listing? Just do this wherever you want the line to flash. In this example I am using line 10.

```
10 PRINT "
```

Follow this by getting the "E" cursor, CAPS SHIFT and SYMBOL SHIFT. Now press the CAPS SHIFT and "9" key. From now on everything entered will flash. To turn off the flash use CAPS SHIFT and "8" key.

BRIGHT, PAPER and INK are also possible. For bright use the BRIGHT key then the same "E" cursor, SS/CS/9 keys. For paper use the PAPER key then "E" cursor, then SS/CS with the color key for the color desired. To change the color back do the same thing using the old color key. Ink is the same as paper except use the INK key instead of the PAPER key.

Thanks to Bill Johnson and Quarters. If anyone out there has any others they would like to pass on please send them to me c/o SMUG Bytes.

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PRESIDENTS MESSAGE

Well we have the digitizer boards in hand and will be shipping them out to those who have included the price of the boards. We are sorry for the delay but the first company we hired to build the boards can't be found so we had to reorder. For those of you who ordered the populated boards we are in the process of build and testing them.
-Ham & Computer Swapfest, Sunday Oct. 15, 1989 Waukesha County Expo. $2 in advance $3 at the door. 7am to 1pm.
-Late Fall Ham Fest, Sunday Oct. 29, 1989 Lake County Fairgrounds, Rts. 45 & 20 Grayslake, IL. 7am to ?. $3.
To all of you out there who are going to use the vendor list we only used the responses to our mailing or those who we have had dealings with. We apologize to any we have missed and will add you to the list for another publication in February.
See you at the meeting on the 6th.

Garbage In Garbage Out Or In Otherwords The Meeting

Again we had a small turnout. We know you have many demands on your time but we need you at the meeting so we can effectively represent your wishes.

We covered next years Milwaukee Expo and set prices. We have started building committees for the Expo. Please attend and join a committee or two to help spread the work.

Rudy reported that the TS2068 program in the news letter was an incorrect version. See his section for the corrected version. PS I am trying to convert it to the QL.

The following members who, according to the treasurer, are late with their dues or are due this month.

NONE

The newsletter will be stopped if the treasurer doesn't inform me otherwise.

COMPUTER AND PRINTER REPAIR

FACTORY AUTHORIZED SERVICE

- Commodore
- Panasonic
- Amiga
- Brother
- NEC
- Samsung
- Apple compatibles
- Star Micronics
- Atari
- Citizen
- C.Itoh
- Silver-Reed
- Goldstar
- IBM compatibles
- *and other popular brands*

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Saturday 12-4

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MILWAUKEE WISCONSIN

Location
WAUKESHA HOLIDAY INN (414)-786-0460
Hwy 18 & I94 Waukesha WI

There will be a SNUG meeting Saturday Night June 2, 1990

Ticket Information:

	in advance	at the door
One day :	$ 4.00	$ 5.00
Both days:	$ 7.00	$ 9.00
Banquet :	$16.00	$16.00
Table :	$25.00 (incld. 2 day badge)	$25.00 Limited table space

Tables are 6 feet by 30 inches

for RESERVATIONS mail to:
Expo Reservations
P.O. Box 101
Butler, WI 53007

Name _____ Phone ( ) _____
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Please reserve ____ one day badges @ $4.00 each = _____
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I have included a check/money order for (total)-> = _____

E M S o f t
Software for the QL that really works

We market software for business. Financial and technical applications to do real (tax deductible) work. Prices range from $9.95 for **QLUTier**, a resident boot utility to $2850 for a site license for **CAM MASTER**, a very friendly CAD program to design circular cams and automatically generate the CNC code to a vertical mill controller.

We create much of our own software but we market software by other programmers. Please call or write for details about our arrangements.

New software in our catalogue includes **RECIPE**, **PC-FOUR** by PSION and the latest versons of **TRUST_FUND**, **MAILBAG** and **QLAND_LORD**. And we still have **DBTutor**, a flash-card program to teach yourself anything you need to know, and **DBProgs** with 5 useful Archive utilities. We still have **THE_Transfer_V3**, for HP compatible laser printing of DTP files and a range of other useful, hard-working software for the QL

We will have **TAX-I-QL/89** when the time comes. If you haven't tried it, we have **TAX-I-QL/88** for $10.00 (+$2.00 on microcartridge) thru October 9, 1989. Try it on your 1988 return. If you like it, return the media with your invoice for full credit toward **TAX-I-QL/89**.

Generally, prices (post paid) are under US$25.00, but like **CAM MASTER**, some are a bit more. Send for our catalogue which explains things in detail. There is also a $9.95 demo disk for **CAM MASTER**.

EMSOFT, P.O. Box 8763, Boston MA 02114 (617) 889-0830

The Sinclair Milwaukee Users Group (SMUG)

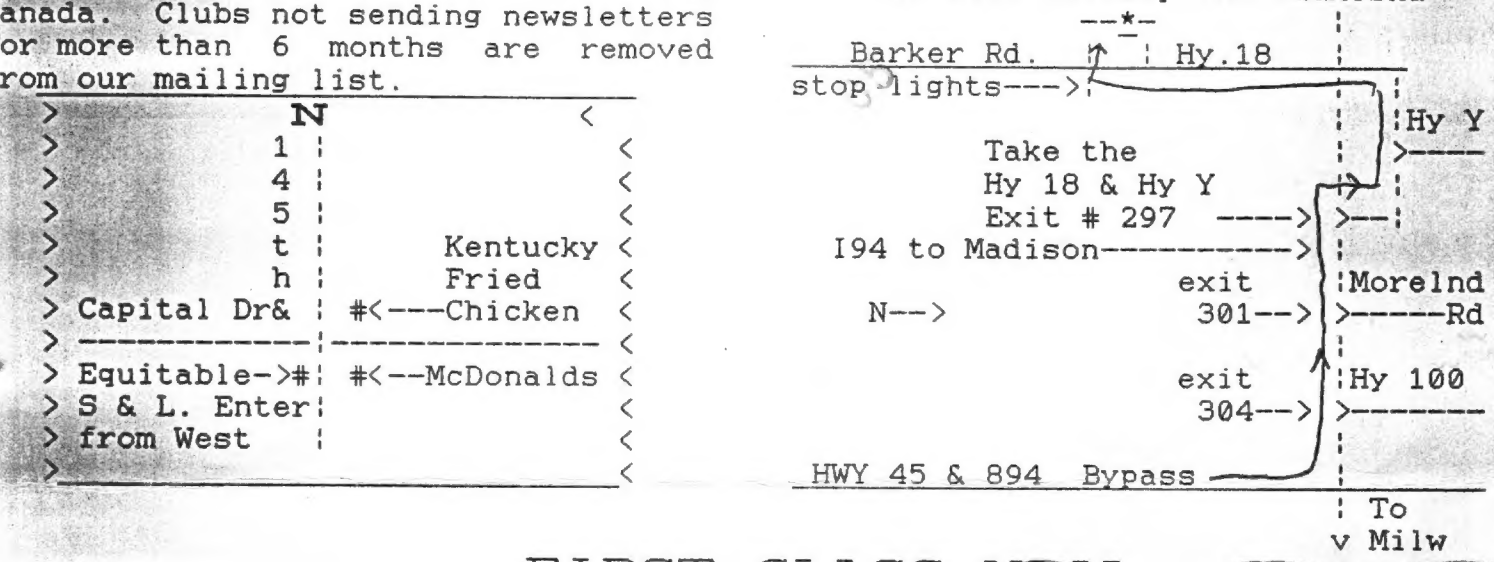
We are a not-for-profit group devoted to serving the interests of those who own, use, and/or are interested in the Timex/Sinclair family of computers.

Editor and contact person is:
Bill Heberlein (414) 527 2191.

SMUG maintains a gratis exchange of newsletters with approximately 30 Users Groups across the U.S. and Canada. Clubs not sending newsletters for more than 6 months are removed from our mailing list.

Newsletter subscription is available for only $10 per year to non members or free with a club membership. A club membership is $20 per year for a family membership.

Advertising cost for 1/2 page ad runing for six months is $10. The ad copy may be changed each month but you must supply the copy.



FIRST CLASS MAIL

SMUG BYTES
5052 N. 91st Street
Milwaukee WI 53225
Address Correction Requested

Donald Lambert
3310 CLOVER DR. SW.
Cedar Rapids , IA
52404

The next meeting of SMUG will be held on:

Wednesday, October 4,1989
6pm Set Up
6:30 Members Demo
7:30 Business Meeting
8:30 Dick Digitizer Boards
10:30 Clean Up

Location:
Equitable Savings and Loan,
145th and Capital Drive,
Milwaukee Wisconsin